

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Lab Partner: \_\_\_\_\_

### Tool Marks the Spot

**Objective:** To examine several tool impressions removed from a crime scene and try to determine the suspect tools that made them.

**Procedure:**

1. Obtain a tool impression removed from the crime scene. Record the number of the impression and sketch it in the data table. (Use the stereo microscope to help in sketching.)
2. Circulate the room comparing your unknown to the suspect tools at the lab stations. Remember: NEVER try to fit the suspect tool into the unknown impression as this act would damage the integrity of the evidence!!!
3. When a match is found, record the letter of the matching tool in the data table and describe what important features helped you make the match.
4. Repeat steps 1 to 3 for 13 other impressions removed from the scene.

**Data Table:**

Evidence Impression Number	Sketch of Evidence Impression	Letter of Tool that Matches the Evidence Impression	Reasons for why/how a match was determined
1.			
2.			
3.			
4.			
5.			
6.			

7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			

**Conclusions:**

1. Are there any matches that you feel confident enough to testify as an expert witness? If so, which ones and why? If not, why not?

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2. In your opinion, which type of tool creates the most difficult impression to match and why?

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